(b) the amount being spent on this work at present every year; and

(c) the future plan of Government in this regard?

THE MINISTER OF MINES (SHRI SIS RAM OLA): (a) to (c) Research and Development of minerals covers various facets and a number of organizations in the Government of India and Public sector as also the Private sector are engaged in this work. The need for funding depends on the extent and nature of work undertaken. Expenditure on general Research and Development (R&D) and on exploration of mineral wealth under various programmes of the Government organizations and public sector [e.g. Geological Survey of India, Indian Bureau fo Mines, Mineral Exploration Corporation Limited, etc.] incurred during 2002-03, 2003-04, 2004-05 and 2005-06 are Rs. 51.97 crore, Rs. 46.25 crore, Rs. 51.06 crore, Rs. 57.47 crore respectively. The outlay for 2006-07 is Rs. 66.30 crore.

The Government does not maintain information relating to the expenditure incurred by the private sector on R&D work.

Government is laying emphasis on R&D for exploration and development of mineral wealth in India and due priority is being accorded to this.

Amount for research institutes of CSIR

348. SHRI S. ANBALAGAN: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the amount allocated for each of the research institutes of CSIR during each of the last three years;

(b) the amount spent by them alongwith the percentage of amount spent for research, institute-wise;

(c) whether it is fact that research output is almost insignificant when compared to the administrative and infrastructural expenses incurred on these institutes; and

(d) if so, the justification for continuous huge expenditure in this regard?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) and (b) Information placed at Statements 'A' and 'B' respectively. (*See* below).

(c) and (d) No, Sir. CSIR's research output is very significant for instance in the year 2005-2006 alone. CSIR had the best ever results in both scientific output and earning. CSIR published 3018 scientific research papers in Internationally Peer Reviewed (SCI) journals, which amounts to around 14% of the scientific research output from India. Similarly, in terms of patents. CSI, was granted 179 foreign patents which are the highest granted to an Indian entity in India. In the same year, CSIR's earnings from contract research, licensing, etc. amounted to Rs. 341 crore, its highest ever again. CSIR's impact in terms of its research has been commendable in terms of technology development and transfer in both civilian and strategic areas, job creation, scientific manpower development etc. CSIR's transformation process has also been recognised worldwide.

Statement 'A'

Statement of Govt. grant allocation to CSIR Labs during 2004-06.

(Rs. in lakh)

Sl.No.	Lab's Name	2003-04	2004-05	2005-06
1.	CBRI, Roorkee	1105.153	1273.283	1115.821
2.	CCMB, Hyderabad	3061.393	3905.110	4095.912
3.	CDRI, Lucknow	2993.262	3467.49	3336.664
4.	CECRI, Karaikudi	1715.004	1975.025	2425.249
5.	CEERI, Pilani	1975.030	3594.692	1925.557
6.	CFRI, Dhanbad	1172.801	1327.357	1697.980
7.	CFTRI, Mysore	2283.992	3046.872	2233.900
8.	CGCRI, Kolkata	2512.382	3118.719	2286.634
9.	CIMAP, Lucknow	1602.806	2685.355	2014.838
10.	CLRI, Chennai	1803.712	2397.940	2441.890
11.	CMERI, Durgapur	1852.675	2288.621	2327.575

Sl.No.	Lab's Name	2003-04	2004-05	2005-06
12.	CMRI, Dhanbad	1315.408	1241.029	1474.045
13.	CRRI, New Delhi	1247.643	1443.073	1584.667
14.	CSIO, Chandigarh	1449.928	2171.933	2057.374
15.	CSMCRI,Bhavnagar	1388.197	1618.812	1687.100
16.	IGIB, New Delhi	1832.723	2847.334	1886.739
17.	IHBT, Palampur	1317.292	1486.100	1359.131
18.	IICB, Kolkata	2087.559	3038.383	2476.150
19.	IICT, Hyderabad	4159.525	5166.447	5451.186
20.	IIP, Dehradun	1493.099	1889.793	1972.098
21.	IMT, Chandigarh	1252.348	1542.123	1477.203
22	ITRC, Lucknow	1635.792	1588.664	1797.392
23.	NAL, Bangalore	6213.690	6667.311	9185.489
24.	NBRI, Lucknow	1682.591	1996.245	2177.085
25.	NCL, Pune	3619.801	4947.503	4959.068
26.	NEERI, Nagpur	1555.565	1534.323	1976.261
27.	NGRI, Hyderabad	3295.544	3985.462	3065.502
28.	NIO, Goa	2485.907	2675.183	3225.065
29.	NISCAIR, New Delhi	1565.082	2287.154	2285.070
30.	NISTADS, New Delhi	489.205	497.355	505.850
31.	NML, Jamshedpur	1895.272	2836.720	2607.898
32.	NPL, New Delhi	2853.147	4015.816	4248.012
33.	RRL, Bhopal	721.855	1088.716	957.217
34.	RRL, Bhubaneswar	1684.777	1347.934	1715.927
35.	RRL, Jammu	1639.326	2035.630	2295.829
36.	RRL, Jorhat	1352.599	1578.553	1585.467
37.	RRL, Trivandrum	1335.995	1407.055	1529.428
38.	SERC, Chennai	1113.240	1337.676	1439.143
	TOTAL	**74761.320**	**93353.250**	**92883.436**

Statement 'B'

Statement showing amount Spent against Govt. Grant and Percentage of Research Expenditure During 2003-04 to 2005-06

(Rs. in lakh)

Lab Name	2003-04			2004-05			2005-06		
	Amount spent	% of Expenditure Research	Admn & Infra	Amount spent	% of Expenditure Research	Admn & Infra	Amount spent	%of Expenditure Research	Admn & Infra
Central Building Research Institute, Roorkee	1103.52	80	20	1268.53	82	18	1117.37	80	20
Centre for Cellular & Molecular Biology, Hyderabad	3065.63	90	10	3895.97	92	8	4092.40	92	8
Central Drug Research Institute, Lucknow	2983.70	89	11	3467.02	89	11	3334.98	87	13
Central Electrochemical Research Institute, Karaikudi	1709.40	89	11	1976.39	90	10	2424.69	90	10
Central Electronics Engineering Research Institute, Pilani	1970.24	90	10	3594.06	94	6	1914.53	90	10
Central Fuel Research Institute, Dhanbad	1169.81	81	19	1326.76	84	16	1669.70	85	15
Central Food Technological Research Institute, Mysore	2270.52	86	14	3035.40	89	11	2233.02	84	16
Central Glass & Ceramic Research Institute, Kolkata	2501.48	86	14	3111.70	88	12	2285.04	84	16
Central Institute of Medicinal and Aromatic Plants, Lucknow	1597.69	90	10	2674.50	93	7	2019.38	90	10
Central Leather Research Institute, Chennai	1795.37	82	18	2391.17	84	16	2435.24	85	15
Central Mechanical Engineering Research Institute, Durgapur	1854.56	81	19	2284.65	84	16	2325.13	82	18
Central Mining Research Institute, Dhanbad	1312.41	78	22	1237.69	76	24	1473.72	81	19
Central Road Research Institute, New Delhi	1245.34	84	16	1443.17	85	15	1575.42	85	15
Central Scientific Instruments Organisation, Chandigarh	1443.29	88	12	2165.07	91	9	2052.72	88	12
Central Salt & Marine Chemicals Research Institute, Bhavnagar	1384.13	91	9	1603.18	92	8	1669.66	93	7

Institute of Genomics & Integrative Biology, New Delhi	1829.63	95	5	2851.47	96	4	1877.65	94	6
Institute of Himalayan Bioresource Technology, Palampur	1315.35	93	7	1483.28	93	7	1365.87	92	8
Indian Institute of Chemical Biology, Kolkata	2083.40	93	7	3031.38	95	5	2481.63	93	7
Indian Institute of Chemical Technology, Hyderabad	4153.82	89	11	5166.67	91	9	5444.41	91	9
Indian Institute of Petroleum, Dehradun	1486.48	89	11	1888.99	91	9	1967.77	89	11
Institute of Microbial Technology, Chandigarh	1249.74	90	10	1542.68	91	9	1475.51	91	9
Industrial Toxicology Research Centre, Lucknow	1639.79	92	8	1590.17	90	10	1791.56	89	11
National Aerospace Laboratories, Bangalore	6206.64	94	6	6670.86	92	8	9182.68	95	5
National Botanical Research Institute, Lucknow	1679.10	88	12	1988.24	89	11	2179.77	88	12
National Chemical Laboratory, Pune	3615.48	92	8	4940.27	94	6	4962.59	93	7
National Environmental Engineering Research Institute, Nagpur	1553.73	84	16	1532.01	86	14	1970.35	88	12
National Geophysical Research Institute, Hyderabad	3288.30	91	9	3984.61	93	7	3062.62	90	10
National Institute of Oceanography, Goa	2482.64	90	10	2673.17	89	11	3223.07	90	10
National Institute of Science Communication & Information Resources, New Delhi	1560.31	85	15	2280.89	88	12	2286.57	87	13
National Institute of Science, Technology and Development Studies, New Delhi	487.57	88	12	497.52	88	12	502.62	86	14
National Metallurgical Laboratory, Jamshedpur	1892.99	86	14	2632.60	90	10	2598.14	88	12
National Physical Laboratory, New Delhi	2846.92	88	12	4017.23	89	11	4245.58	89	11
Regional Research Laboratory, Bhopal	718.76	88	12	1081.32	93	7	955.43	90	10
Regional Research Laboratory, Bhubaneshwar	1680.35	88	12	1349.33	86	14	1712.17	90	10
Regional Research Laboratory, Jammu	1637.66	89	11	2033.17	91	9	2286.72	91	9
Regional Research Laboratory, Jorhat	1349.10	88	12	1575.69	88	12	1590.07	88	12
Regional Research Laboratory, Trivandrum	1330.53	92	8	1405.66	92	8	1525.33	91	9
Structural Engineering Research Centre, Chennai	1106.21	87	13	1338.68	88	12	1437.25	88	12
GRAND TOTAL	74601.56			93231.538			92788.36		